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U.S. Serial No.: 10/505,357

IN THE CLAIMS:

Please amend claims 1, 3, 6, 13, 20, 25 and 26 as indicated in the following Listing of Claims:

Listing of Claims

1        1. (Currently amended) A valve with two pole pieces,  
2 wherein at least one pole piece includes a fluid line and a valve  
3 seat, and wherein the fluid line is connected by the valve seat  
4 with a valve chamber, in which a valve body can move between at  
5 least two switch settings, wherein the improvement comprises at  
6 least one guide piece (15) having a frustro conical configured  
7 combination guide and seat disposed in a valve housing to  
8 linearly guide the valve body (9) in an axial and radial  
9 direction between the switch settings and a single control coil  
10 disposed around said valve housing for activating said valve body  
11 between the switch settings.

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1        2. (Previously presented) The valve according to claim 1  
2 wherein said at least one guide piece is a guide sleeve (15) with  
3 guide elements (23).

1        3. (Currently amended) The valve according to claim 2  
2 wherein said guide elements (23) include ~~inner~~ inwardly tapering  
3 radial ribs disposed on the guide sleeve (15).

1        4. (Previously presented) The valve according to claim 1  
2 wherein said guide piece (15) has a fluid passage.

1        5. (Previously presented) The valve according to claim 1  
2 wherein said guide piece (15) is made at least partially of  
3 plastic.

1        6. (Currently amended) The valve according to claim 1

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2 wherein said guide piece (15) is a spacer element (15) in the  
3 area of the valve chamber (24) for setting the distance of the  
4 valve seat (7) from another stop surface (8) for the valve body  
5 (5).      

1       7. (Previously presented) The valve according to claim 6  
2 wherein said spacer element (15) is sleeve-shaped.

1       8. (Previously presented) The valve according to claim 1  
2 wherein said guide piece (15) is a spacer element.

1       9. (Previously presented) The valve according to claim 1  
2 or 2 wherein said guide piece (15) includes a filter element  
3 (16).

1       10. (Previously presented) The valve according to claim 1  
2 further comprising a second fluid line (10) radially disposed

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3 from said fluid line as an eccentric hole in a pole piece (4).

1        11. (Previously presented) The valve according to claim 1  
2 wherein the two pole pieces (3, 4) and guide piece (15) are  
3 disposed in a tubular valve housing (2).

1        12. (Previously presented) The valve according to claim 1  
2 further comprising at least one permanent magnet (13, 14).

1        13. (Currently amended) The valve according to claim 12  
2 wherein said at least one permanent magnet (13, 14) is disposed  
3 inside the a tubular valve housing (2).

1        14. (Previously presented) The valve according to claim 12  
2 wherein said at least one permanent magnet (13, 14) is an annular

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3 magnet.

1        15. (Previously presented) The valve according to claim 12  
2 wherein said at least one permanent magnet (13, 14) is disposed  
3 on a projection (11, 12) of a pole piece (3, 4) formed by a cross  
4 sectionally tapered segment.

1        16. (Previously presented) The valve according to claim 1  
2 wherein said guide piece (15) includes a receptacle for a  
3 permanent magnet (13, 14).

1        17. (Previously presented) The valve according to Claim  
2 16, wherein said receptacle includes elevations to provide a  
3 positive connection between the guide piece (15) and at least one  
4 permanent magnet.

1        18. (Previously presented) The valve according to Claim 17

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2 wherein said elevations are deformable.

1        19. (Previously presented) The valve according to Claim 17  
2 wherein said elevations are elastic.

1        20. (Currently amended) The valve according to claim 1  
2 wherein said pole pieces, said valve seat, said valve chamber,  
3 said valve body and said at least one guide piece is disposed in  
4 a tubular valve housing (2) and said tubular valve housing is  
5 disposed in ~~a~~ the single control coil (21).

1        21. (Previously presented) The valve according to claim 1  
2 wherein said valve body (9) is a ball, and the valve seat (7, 8)  
3 is at least partially spherical.

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1        22. (Previously presented) The valve according to claim 1  
2 wherein said valve body (9) is a ball.

1        23. (Previously presented) The valve according to claim 1  
2 further comprising outer connecting tubes (18, 19, 20) secured in  
3 at least one pole piece (3, 4) to carry fluid.

1        24. (Previously presented) The valve according to claim 1  
2 further comprising additional fluid lines and a second valve seat  
3 (8) to create a 3/2 valve.

1        25. (Currently amended) A valve with two pole pieces,  
2 wherein at least one pole piece includes a fluid line and a  
3 valve seat, and wherein the fluid line is connected by the valve  
4 seat with a valve chamber, in which a valve body can be moved  
5 between at least two switch settings, wherein the improvement  
6 comprises at least one combined valve seat and guide piece (15)  
7 having a conical inwardly tapering guide wall terminating in a

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8 valve seat having a fluid line therethrough incorporated in the  
9 valve housing to linearly guide the valve body (9) in an axial  
10 and radial direction between the switch settings and wherein the  
11 pole pieces (3, 4) and guide piece (15) are disposed in a tubular  
12 valve housing (2).

1        26. (Currently amended) An electromagnetic valve article  
2 of manufacture comprising:

3        (a) a single control coil housing having a first end and a  
4 second end;

5        (b) a first substantially cylindrical pole piece having a  
6 first end and a second end disposed within said single control  
7 coil housing said first end extending to about said first end of  
8 said single control coil housing;

9        (c) a second substantially cylindrical pole piece having a  
10 first end and a second end disposed within said single control  
11 coil housing said first end extending to about said second end of  
12 said single control coil housing;

13        (d) a first permanent magnet disposed at about the second  
14 end of said first substantially cylindrical pole piece;

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15 (e) a second permanent magnet disposed at about the second  
16 end of said second substantially cylindrical pole piece;

17 (f) a valve housing disposed intermediate said first  
18 permanent magnet and said second permanent magnet; and

19 (g) a valve body disposed in said valve housing in which  
20 said valve body can move between at least two switch settings  
21 operated by said single control coil; and

22 (h) a guide element having a frustro spherical shaped  
23 combined valve body guide and valve seat with an opening therein,  
24 said guide element disposed between said second end of said first  
25 substantially cylindrical pole piece and said second end of said  
26 ~~first~~ second substantially cylindrical pole piece and fixing the  
27 size of said valve housing.